

AMENDMENT TRANSMITTAL LETTER (Small Entity)Applicant(s): **Jacob H. Gunther**

Docket No.

51764/12Application No.
10/759,626Filing Date
January 16, 2004Examiner
Jefferey F. HaroldCustomer No.
32642Group Art Unit
2644Confirmation No.
1233CANCELLATION FILTER**COMMISSIONER FOR PATENTS:**

Transmitted herewith is an amendment in the above-identified application.

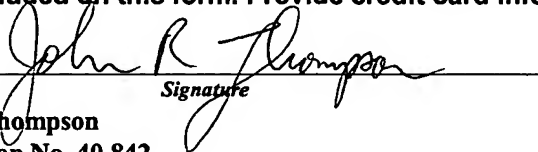
☒ Applicant claims small entity status. See 37 CFR 1.27

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	25 -	25 =	0	x \$9.00	\$0.00
INDEP. CLAIMS	3 -	3 =	0	x \$44.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

- ☒ No additional fee is required for amendment.
- ☐ Please charge Deposit Account No. _____ in the amount of _____
- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **502375**
- ☒ Any additional filing fees required under 37 C.F.R. 1.16.
- ☐ Any patent application processing fees under 37 CFR 1.17.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
Signature

John R. Thompson
Registration No. 40,842
STOEL RIVES LLP
One Utah Center
201 South Main Street, Suite 1100
Salt Lake City, UT 84111
Phone: (801) 578-6994
Facsimile: (801) 578-6999

Dated: **January 7, 2005**

I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

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CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Applicant(s): **Jacob H. Gunther**

Docket No.

51764/12

Application No.

10/759,626

Filing Date

January 16, 2004

Examiner

Jefferey F. Harold

Customer No.

32642

Group Art Unit

2644

Invention:

REHO CANCELLATION FILTER**JAN 07 2005****PATENT & TRADEMARK OFFICE**

I hereby certify that the following correspondence:

Amendment Transmittal Letter (1 pg.); Response (3 pgs.); and, postcard.*(Identify type of correspondence)*

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January 7, 2005*(Date)***John R. Thompson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***ER620042893US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**



01-10-05

Ifw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jacob H. Gunther

Confirmation No. 1233

Application No. 10/759,626

Filed: January 16, 2004

For: **ECHO CANCELLATION FILTER**

Group Art Unit: 2644

Examiner: Jefferey F. Harold

Date: January 7, 2005

RESPONSE

Mail Stop Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This paper is in response to the October 7, 2004 Office Action. Claims 1-25 are pending in the present application. Claims 1, 2, 4-7, 9, 11-13, 17, 18, 20, 21, and 22 stand ☒ rejected under 35 U.S.C. § 102(b) as being anticipated by United States Patent No. 5,909,646 to Deville ("Deville").

Deville discloses a system for processing input signals formed by instantaneous linear mixtures of primary signals resulting from sources. Deville discloses a separation unit (10) that may include a recursive structure. The present invention discloses cancellation of echoes arising by convolution from far-end signals. Deville separates primary signals in an instantaneous mixture.